

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/CA2004/001580

## A. CLASSIFICATION OF SUBJECT MATTER

IPC<sup>7</sup>: B65B 43/56, B65B 61/00, B56B 7/16

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC<sup>7</sup> B65B; B65D

CPC 226/17.4, 1.33, 78

US. CL.53/186, 34/448, 531/83

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base, and, where practicable, search terms used)

Esp@cenet, Delphion, USPTO, Canadian Patents Database

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 3,967,434 (MANCINI) 6 July 1976 (06.07.1976) the whole document	1 to 4
Y	US 6,038,789 (KAIHOVIRTA ET AL.) 21 March 2000 (21.03.2000) the whole document	1 to 4
A	US 5,411,464 (CALVERT ET AL.) 2 May 1995 (02.05.1995) cited in the application the whole document	3 and 4
A	US 4,321,760 (MEIER) 30 March 1982 (30.03.1982) the whole document	1 to 4

Further documents are listed in the continuation of Box C.

Patent family members are listed in annex.

<p>* Special categories of cited documents :</p> <p>“A” document defining the general state of the art which is not considered to be of particular relevance</p> <p>“E” earlier application or patent but published on or after the international filing date</p> <p>“L” document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>“O” document referring to an oral disclosure, use, exhibition or other means</p> <p>“P” document published prior to the international filing date but later than the priority date claimed</p>	<p>“T” later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>“X” document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>“Y” document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>“&amp;” document member of the same patent family</p>
--	---

Date of the actual completion of the international-type search  
10 December 2004 (10-12-2004)

Date of mailing of the international-type search report  
14 January 2005 (14-01-2005)

Name and mailing address of the ISA/  
Commissioner of Patents  
Canadian Patent Office - PCT  
Ottawa/Gatineau K1A 0C9  
Facsimile No. 1-819-953-9358

Authorized officer

Emilie Clement (819) 953-8641

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.  
PCT/CA2004/001580

Patent Document Cited in Search Report	Publication Date	Patent Family Member(s)	Publication Date
US3967434	06-07-1976	US3967434 A	06-07-1976
US6038789	21-03-2000	AU7433198 A CA2289475 A1 EP1009876 A1 FI106271B B1 US6038789 A WO9851857 A1	08-12-1998 19-11-1998 21-06-2000 29-12-2000 21-03-2000 19-11-1998
US5411464	02-05-1995	AU691208 B2 AU8133894 A CA2176759 A1 US5411464 A WO9513913 A1	14-05-1998 06-06-1995 26-05-1995 02-05-1995 26-05-1995
US4321760	30-03-1982	CH623752 A5 DE2824483 A1 FR2393616 A1 GB2000205 A IT1095189 B JP1313274C C SE433572 B SE7806567 A US4321760 A	30-06-1981 07-12-1978 05-01-1979 04-01-1979 10-08-1985 28-04-1986 04-06-1984 07-12-1978 30-03-1982